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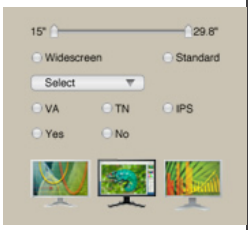

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ColorEdge Resources

- Color Matching between Your Monitor and Prints
- Color Management in Practice
- Choosing the Right Monitors for a Color Management System
- Monitor Calibration

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ColorEdge® CG245W

The CG245W comes with an industry-first built-in calibration sensor so you can schedule the monitor to self-calibrate at your convenience.

- 1920 × 1200 native resolution
- 850:1 contrast ratio
- 270 cd/m^2 brightness
- DisplayPort and dual DVI-I inputs
- Monitor hood included

Specifications Graphics Brochure Video Brochure Accessories Compare

Features

Built-In Calibration Sensor

Watch the video >>

A built-in sensor is housed within the monitor's top bezel and swings down over the center top of the screen when calibration begins. This built-in sensor eliminates the need for a third-party calibration device and even operates in portrait mode.

Self-Calibrating Monitor

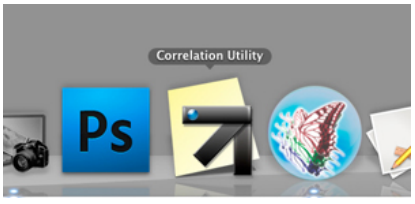
Using either the OSD menu or the bundled ColorNavigator software, you can schedule the ColorEdge CG245W to self-calibrate at a specific time and at specific intervals. You can even schedule calibration for outside of work hours when your computer is turned off and you are no longer present.

OS-Independent Calibration

Since the PC itself is not necessary for self-calibration, the ability to calibrate the monitor is not dependent on using an operating system supported by the ColorNavigator software. Therefore, a calibrated ColorEdge CG245W can be used with Linux even though ColorNavigator currently does not support this OS.

Correlation with Other Sensors

The ColorEdge CG245W can be correlated to the measurement results of an external calibration sensor. This is convenient if the ColorEdge CG245W is used in a work environment with other ColorEdge monitors and one measurement device must be used as a standard for all calibrating. Correlation is done with a new "Correlation Utility" included with the bundled ColorNavigator software.



Simple and Precise Calibration with ColorNavigator

The bundled ColorNavigator software makes calibration

Verification Documents Included

EIZO stands behind the quality of the ColorEdge series by includes two verification documents with each monitor. One document verifies the uniformity on 25 points across the screen while the other certifies that all 256 color tones on the gamma curve were individually adjusted at the factory.

Click image to see certificates (PDF) >>

Brightness and Color Temperature Stability

To ensure proper display of color, the ColorEdge CG245W comes equipped with patented EIZO technology that stabilizes the monitor's brightness level after startup or coming out of power saving mode. Furthermore, a temperature sensor detects and automatically suppresses changes in color and brightness caused by fluctuations in the surrounding temperature.

3D LUT for Better Additive Color Mixture

The monitor utilizes a new EIZO-developed 3D LUT. Whereas a typical 1D LUT adjusts color on separate tables for each red, green, and blue, a 3D LUT accomplishes this on a single, mixed-color cubic table. A 3D LUT improves the monitor's additive color mixture (combination of RGB), a key factor in its ability to display neutral gray tones.

Ideal for Moving Image Work, Too

An overdrive circuit is included to reduce grapy-to-gray response time to 5 ms and ensure that moving images look clean and sharp with an absolute minimum of blurring and ghosting.

Shading Hood for Portrait and Landscape Modes

Most shading hoods can only be used in landscape mode, but the

Software makes calibration both simple and quick. Just input target values for brightness, white point, and gamma. The built-in sensor directly utilizes the monitor's look-up table and creates an ICC profile within minutes. What's more, you can always download the latest version of ColorNavigator for free here on eizo.com. Learn more about ColorNavigator.

Wide Color Gamut

The monitor reproduces 98% of the Adobe RGB color space so it can display most colors in a digital photo taken in Adobe RGB mode. Furthermore, it also has an sRGB mode to accurately reproduce colors in this narrower but commonly used color space, such as those seen on web pages or digital photos taken in sRGB mode.

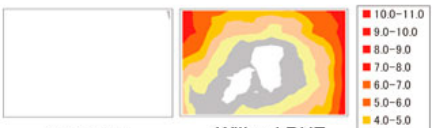
Three Inputs Including DisplayPort

Connect with up to three PCs via the monitor's dual DVI-I inputs which accept digital and analog signals, and the DisplayPort (digital) input terminals. With DisplayPort, the monitor can display 10-bit color* which is more than 1 billion colors shown simultaneously. This is 64 times greater than the 16.7 million colors of 8-bit display. The result is even smoother color gradations and noticeably reduced Delta-E between two adjacent colors. *A graphics board and software which support 10-bit output are necessary for 10-bit display.

DisplayPort Connector *DisplayPort* *DVI-I* *DVI-I*

Brightness and Color Uniformity with DUE

Fluctuations in brightness and chroma on different parts of the screen is a common trait of LCD monitors. To counteract EIZO a digital uniformity equalizer (DUE). DUE utilizes the monitor's 12-bit look-up table (LUT) with an extensive palette of 4,081 grayscale tones for each R, G, and B, and internal calculation accuracy of 16-bits. This ensures a Delta-E difference of 3 or less across the screen.

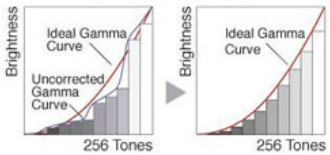


With DUE Without DUE

Color-separated image with Delta-E ab distribution across the screen (gray level 128 measured)

Factory Adjustment of Gamma

To ensure that each ColorEdge monitor produces the most accurate and consistent color gradations possible, EIZO carefully measures and sets every shade of R, G, and B from 0 – 255 on the production line with the monitor's 12-bit Look-Up Table, to produce a monitor gamma value of 2.2. Should the user prefer a different value, ColorNavigator software can be used to set the gamma value from a range of 1.0 up to 2.6 in increments of 0.1.



ColorEdge CG245W comes bundled with a unique shading hood that is designed for portrait mode as well. Now you can keep the glare off your screen no matter which mode you work in.

Flexible Screen Positioning

The ColorEdge CG245W comes with a “FlexStand” that offers tilt, swivel, 90° rotation for portrait mode viewing, and 174 mm of height adjustment. Its innovative, bearing-less design reduces mechanical wear and the amount of torque required to adjust height.

Watch the video >>

Color Vision Deficiency Simulation

To avoid creating inconveniences and even dangers for those with color vision deficiency, care must be taken when choosing color schemes for everyday items such as maps, road signs, web sites, and power indicator lights. This monitor can instantly simulate how still and moving images appear to people with color vision deficiency, and do so much faster than software-based tools that slow down with larger files.

Learn more about Color Vision Deficiency Simulation

Original Mode *Protanope Mode* *Deuteranope Mode*

LED Buttons and On-Screen Button Guide

For dimly lit work environments, the LED front buttons can be backlight to seven different brightness settings. An on-screen button guide appears above the buttons to indicate what each one is for.

Commitment to Quality

While outsourcing production is now common practice in the monitor industry, EIZO continues to manufacture its products the same way it has throughout its 40 year history — with its own staff at its own factories. This allows EIZO to keep close control over production quality and offer the industry’s only 5-year manufacturer’s limited warranty.

Customer Assurance

A five-year warranty offers a long service life, and compliance with leading industry standards such as TCO’03 and TÜV Ergonomics ensures a better working environment.

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